

The Content of Nucleic Acids and Their
Nitrogenous Bases in the Tissues of Rats
Affected by Developing Transplanted Tumors,
by S. Ya. Davidova. UNCL

RUSSIAN, per, Biokhimiya, Vol XIX, No 2, 1954,
pp 177-183.

CCT-1001B

Sci - Med; Biol
Sep 59

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On the So-Called Reserve Albumin of Seeds, by V. L. Kretoich,
A. A. Bundel¹, 9 pp.
RUSSIAN, per, Biokhimiya, Vol XIX, No 2, 1954, pp 208-215.

OTS 63-11044
PL-480

95T-719

Sci - Biol & Med Sci
Mar 64

250,892

63-11045

Gaisinskaya, O. M., L'Vova, V. V., and Uspenskaya, V. D.

ELECTROPHORETIC ANALYSIS OF DOG SERUM PROTEINS (Elektrofereticheskoe Izucheniye Belkov Syvorotki Krovi Sobaki). 1963, 15p. 13 refs.

PL-480 Agr.

Order from OTS \$0.50

63-11045

Trans. of Biokhimiya (USSR) 1954, v. 19, no. 3, p. 319-331.

DESCRIPTIONS: *Electrophoresis, Analysis, *Blood proteins, *Serum albumin, *Globulins, Diet, Proteins.

The electrophoretic mobilities of 8 protein components of dog serum, of albumin, α_1 -, α_2 -, α_3 -, α_4 -, β_1 -, β_2 -, and γ -globulins were determined. The electrophoretic heterogeneity of α_1 -, α_4 -, and β -globulins was established and the mobilities of 6 new protein (Biological Sciences--Biochemistry, TT, v. 10, no. 3) (over)

- I. Gaisinskaya, O. M.
- II. L'vova, V. V.
- III. Uspenskaya, V. D.
- IV. PL-480 Agr (63-11045)
- V. National Science Foundation, Washington, D. C.

Office of Technical Services

62-12446

Manaskaya, S. M. and Bardinskaya, M. S.
AROMATIC COMPOUNDS OF THE CELL WALL OF
SPHAGNUMS (Aromaticcheskie Soedineniya Kletochnoi
Obolochki Sphagnovogo Mkha) tr. by V. N. Pavloff. 1961.
8p. 20 refs. NRCC Technical Trans. 992.
Order from NRCC \$0.50 NRCC C-3843

Trans. of Biokhimiya (USSR) 1954, v. 19, no. 3,
p. 332-335.

DESCRIPTORS: *Peat, Cells (Biology), *Organic com-
pounds, *Lignin, Determination, Fluorescence,
Oxidation, Aldehydes, Ultraviolet spectroscopy,
Biochemistry, *Mosses.

- I. Title: Sphagnum
- I. Manaskaya, S. M.
- II. Bardinskaya, M. S.
- III. NRCC TT-992
- IV. NRCC C-3843
- V. National Research Council
of Canada

(Biological Sciences--Biochemistry, TT. v. 8, no. 1)

Office of Technical Services

Study of the Chemical Nature and Some Properties
of an Adrenocorticotrophic Hormone Preparation of
Ox Pituitaries, by L. M. Broude, T. S. Sakhatskaya,
N. G. Serebrennikova, 13 pp.

RUSSIAN, per, Biochim, Vol XIX, 1954, pp 461-468.

Sci Mus Lib Tr 55/0375

Sci - Chemistry

OTS 68/May 55

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Investigation of the Conditions of Incorporation
of Amino Acids Into "Individual" Proteins and
Protein Complexes, by A. S. Konikova, M. G.
Kritaman, O. P. Semarin, 27 pp.

RUSSIAN, per, Biokhimiya, Vol XIX, No 4, 1954,
pp 440-448. CIA 9043038

NIH 10-2

Sci - Med

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Oct 59

Synthesis of Glutamine and Asparagine in Tissues of
the Animal Organism, by N. N. Lestrovaya, 18 pp.

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RUSSIAN, par, Biokhimiya, Vol XIX, No 4, 1954,
pp 478-484.

NIE

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Sci - Biology
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MARDASHEV, S. and PLEKHAN, M.
with proteins.
Biokhimiya 19(5):574-7 (1954)

Interaction of glyox

(CSIRO/No. 1010

Incorporation of Labeled Amino Acids Into Proteins
of the Developing Chick Embryo, by V. M. Orekhovich,
M. I. Levant, T. P. Levchuk-Kurokhina, 10 pp.

RUSSIAN, per, Biokhimiia, Vol XIX, No 5, 1954,
pp 610-615. CIA 901840

Sci - Chemistry
May 58

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Study of Age-Linked Characteristics of Protein Regeneration in the Plasma and Tissues of White Rats by the Use of Labeled Methionine, by R. I. Malganik, 10 pp.

RUSSIAN, per, Biochim, Vol XIX, No 6, Nov/Dec 1954, pp 641-644. CIA D 9005393

NIH

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Sci - Biology

SLA 57-1263

May 57

The Hydrolysis of Elastin by Dilute Alkali and
Basic Copper Sulphate, by K. G. Yoffee, V. M.
Sorokin.

RUSSIAN, per, Biokhim, Vol XIX, No 6,
1954, pp 652-655.

Sci Mus Lib Tr 56/4114

Sci - Chem
Jul 57

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DOI: 10.1002/135

Effect of Denervation Upon the Glucolytic
Processes in the Muscles, by S. E. Epel'baum,
L. F. Kantor.

RUSSIAN, per, Biokhimiya, Vol. XIX, 1954, pp
pp 660-665.

GB/262

Sci-Biol

Oct 63

The Influence of Temperature of the External Medium
and Diverse Quantities of Albumin in food on the Weight
of Body and a Few Characteristics of the Metabolism
of Liver in Connection with the Problem of Optimum
Content of Albumin in Ration, by A. S. Polezhaev-
Shifman.

RUSSIAN, per, Biokhimiya, Vol XX, 1955, pp 57-65.

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Sci

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Effect of the Tumor Extracts on the Catalase and
Coenzyme mc A of the Liver of Normal Mice, by A. H.
Kuzin, K.S. Sharukhova (Sharouhov), I. A. Chudinova
(Tchudinov), 7 pp.

RUSSIAN, per, Biokhim, Vol XX, 1955, pp 126-128.

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AEC Tr 3186

Sci - Med

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The Biochemical Composition of Deep-Water Marine Mud
Deposits (Ocean Bottoms), by N. T. Shabarova.

RUSSIAN, biblio per, Biokhim, Vol XX, No 2, 1955,
pp 146-151.

36,113
Assoc Tech Serv RJ-366

Scientific - ~~Chemistry~~

Am 56/dex

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Intensity of Proteolysis and Rate of Inclusion
of Radioactive Methionine in Protein of Muscles
After Denervation and Tenotomy, by G. S. Sheres,
14 pp.

RUSSIAN, per, Biokhimiya, Vol. XI, No 2, 1955,
pp 152-157.

NIE Tr 11-25

Sci - Medicine
Dec 56 CIE

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Contribution to the Question of the Role of the
Swelling of Actomyosin, Dehydrated ATP, as
Possible Source of the Mechanical Work of Muscle,
by E. D. Grishchenko, 17 pp.

RUSSIAN, per, Biokhimiia, Vol XX, No 2, 1955,
pp 173-178. CIA D 197070.

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May 1956

Contribution to the Question of the Role of the
Swelling of Actomyosin, Dehydrated ATP, as
Possible Source of the Mechanical Work of Muscle,
by E. D. Grishchenko, 17 pp.

RUSSIAN, per, Biokhimiia, Vol. XX, No 2, 1955,
pp 173-178. CIA D 197070.

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Sci - Medicine

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Role of Trace Elements in Nutrition of Plants
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pp 265-271.

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Sci - Biol
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Quantitative paper Chromatography of the Catechols
of the Tea Leaf, by Dzhenukhadze, K. and Shal'neva
G., 5 p.

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SLA Tr 1502

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The Effect of B₆-Avitaminosis on Sulfur Metabolism
of l- and d- Isomers of Methionine in the Animal
Organism, by B. Ia. Volovnik, 13 pp.

RUSSIAN, per, Biokhimiia, Vol XX, No 3, 1955,
pp 490-491. CIA D 197071.

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Sci - Biology

May 1956

(DD) 27752)

Adenosinetriphosphoric Acid, Phosphocreatine, and
the Adenosine Triphosphate Activity of the Brain in
the Action of Oxygen Under Pressure, by E. N. BERNARD
Borshenovich, E. G. Eroshovskaya, 15 pp.

RUSSIAN, also per, Biokhimiya, Vol. XX, No. 4, Moscow,
Jul/Aug 1955, pp. 825-830.

CIA/FDI U-8666

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SOL - Chemistry, Biochemical

AGE 56 CTS/DEX

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Reducing Substances of the Liver, Muscles, and
Blood in the Normal State and in Alloxan Diabetes,
by R. M. Bekina, A. P. Petrova, 15 pp.

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OTS-4-1944a

SCI - Med

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Synthesis of Nucleic Acids in Homogenates and in Isolated Nuclei of Tumorous and Normal Cells, by A. M. Belousova, 27 pp.

RUSSIAN, per, Biochimiya, Vol. XX, 1955, pp 496-506.

AEC Tr 2661

Sci - Biology; Chemistry
Jan 57 CTS

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The State and Activity of Invertase and Maltase in
Certain Species of Yeast of the Saccharomyces
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RUSSIAN, per, Biokhim, Vol. 20, No 5, pp. 571-575,
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HEW 2-15-65

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The Cleavage of Serum Albumen by Different
Amounts of Chymotrypsin and the Autolysis of
Chymotrypsin, by M. P. Chernikov.

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The Digestion by Pepsin of Serum Protein
Irradiated With Gamma Rays, by Ya. A.
Spaltein, E. A. Zeboslayeva, 10 pp.

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Sci - Chem
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Enzymatic Transfer of the Phosphate Group With
Ribonucleic Acid on Fructose Monophosphate, by
S. E. Bresler, Kh. M. Rubina, 22 pp.

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Sovetskii, per, Biokhimiya, Vol XX, 1955, pp 740-
748.

AEC Tr 2666

Sci - Biology; Chemistry
Jan 57 CTS

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Biochemistry of Antibodies, by R. S. Nezlin,
RUSSIAN, bk, Biokhimiya Antitel,
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Jan 67

The Interaction of Tannins, Amino Acids and
Sugars at Elevated Temperatures, by

N. I. Skobuleva and V. R. Popov,

RUSSIAN, per, Biokhimiya Chainogo Proiz-
vodstva Akad Nauk Institut Biokhimiy, Vol

IX, 1962, pp 105-108.

MLL RTS 2491 (On Loan or Purchase)

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Mar 67

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The Preparative Extraction of Cathechines by
Means of Chromatography on Paper, by G. A.
Buzun.

RUSSIAN, per, Biokhimiya Chajnego Proizvodstva
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Vol 9, pp 189-191.

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Aug 65

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An Increase in the Vitamin P Value of Black Tea
in Connection With the Introduction of a New
Manufacturing Process in the Tea Industry of the
Azerbaijan SSR, by K. I. Makhmudov. 7 pp.
RUSSIAN, per, Biokhimiya Chainogo Proizvodstva,
Vol 9, 1962, pp 192-195.
SLA TT-64-19117

Sci/B&M
Jul 66

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The Probiostolic Activity of Tea Extracts,
by V. V. Alpatov, and S. A. Bear, Lop.
RUSSIAN, per, Hokhimova Chulnogo Proi-
svodstva, Vol. 9, 1962, pp 196-200.
ONB TT-6-19952

Sci
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The Microbiocidal Activity of Tea
Extracts, by V. V. Alpatov and S.
A. Esler.

RUSSIAN, per, Biokhimiya Chainogo
Proizvodstva Akad Nauk SSSR, Biokhim
1962, Vol 9, pp 196-200.
NLI RTS 2494 (On Loan or Purchase)

Aug 65

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Biochemistry of the Plague Bacillus
(Pasteurella Pestis), by Ye. M. Gubarev,
N. N. Ivanovskiy.

RUSSIAN, bk. Biokhimiia Chumnog Mikroba
(Pasteurella Pestis), Medgiz, Moscow, 1958,
pp 1-145.

U.S. Army Biol Lab
Tr No 706

Sci-Biol & Med Sci
Mar 63

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Biochemistry and Physiology of Plant Immunity,
by Boris Anisimovich Rubin, Elena Vladimirovna
Artsikhovskaya, 358 pp.
RUSSIAN, mono, Biokhimiya i Fiziologiya Immuniteta
Rastenii, Moscow, 1960, 350 pp.
MACM \$14.00

Jul 66

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Effect of Trace Elements on the Development
of Lupine and Biosynthesis, in it, of Alka-
loids and Proteins, by A. V. Mironenko.
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Sbornik Nauchnykh Rabot, Minsk, 1958, 136-151.
SLA TT-66-10283

Sci-16M
June 66

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Biochemical Control of Tea Production, by K.
M. Dzhenukhadze.
RUSSIAN, per, Biokhimicheskiy Zhurnal SSSR
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Sci -
Jul 67

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Biochemistry of the Brain During Death and Resuscitation
of the Organism, by M. S. Gaevskaya.

RUSSIAN, bk, Biokhimiya Mozga pri Ymireni i Ozhivlenii
Organizma, Moscow, Medgiz, 1963, 200 pp.

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Nov 63

Vladimirova, E. A.
AMMONIA OF THE BRAIN AS A SPECIFIC BIO-
CHEMICAL INDICATOR OF THE FUNCTIONAL
STATE OF THE CENTRAL NERVOUS SYSTEM.

[1962] [25]p. 20 refs.

Order from OTS or SLA \$2.60

62-14748

Trans. of mono. Biokhimiya Nervnoi Sistemy (Bio-
chemistry of the Nervous System) Kiev, 1954,
p. 47-62.

DESCRIPTORS: *Ammonia, *Brain, Nervous system,
Quantative analysis, Conditioned reflex, Medical
equipment, Physiology.

(Biological Sciences--Biochemistry, TT, v. 8, no. 5)

62-14748

I. Vladimirova, E. A.
II. Title: Biochemistry...

Office of Technical Services

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DC 1108

Anaerobic Fermentation of Wool Wash
Liquors, by E. E. Grishina.

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Vod Predpriyatii Khim Prom, 1962, pp
223-231.

NLL RTS 2413 (On Loan or Purchase)

CFSTE II 64-19932

Aug 65

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Some Distinctive Features of the Action of
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Rubin, B. G. Sal'kova. UNCL

RUSSIAN, per Biokhimiya Plodov i Ovoshchey:
Sbornik 4, 1958, pp 5-23.

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Sci - Biol

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The Prevention of Functional Disturbances in Apples
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13 pp.

RUSSIAN, per, Biokhimiya Plodov i Ovoshchei,
Ak Nauk SSSR, No 4, 1958, pp 42-50.

OTS 63-11086

PL-480

DSIR Lhu (loan) M. 413

Sci - Biol & Med Sci
Jun 64

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A Study of Respiratory Gaseous Exchange in
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The Use of Ionizing Radiation to Control the Dormancy of
Potato Tubers During Storage, by B. A. Rubin, L. V. Metkitskiy,
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Vol V, 1959, pp 5-101.

OTS 63-11011
PL-480

Sci - Agri
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[1962] [36p. 31 refs.]

Order from OTS or SLA \$8.60

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Trans. of Biokhimiya Plodov i Ovoshech (USSR) 1959,
 v. 5, p. 113-131.

DESCRIPTORS: *Amino acids, *Oxidases, *Plants
 (Botany), Diseases, *Immunity, *Fungus infections,
 Respiration, Tissues (Biology), Vegetables,
 Biochemistry.

The data obtained confirm that amino acid oxidases
 play an important role in the defensive reactions of
 cabbage tissue to the fungus B. cinerea and products of
 its vital activities. (Author)

(Agriculture--Plant Cultivation, TT, v. 9, no. 12)

63-13574

1. Title: Botrytis cinerea
2. Title: Cabbage
- I. Rubin, B. A.
- II. Ivanova, T. M.
- III. Translations, New York

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Dynamics of Mass Growth and Changes in the Chemical
Composition of the Parts of Walnut Fruits During Ontogenesis,
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Vol V, 1959, pp 259-276.

OTS 63-1025
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Sci - Agri
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(NY-6850)

The Use of Ionizing Radiations for Control
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Ye. G. Sel'kova, 93 pp.

RUSSIAN, per, Biokhimiya Plodov i Ovochey,
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JPRS 12721

Sci - Chem

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Mar 62

The Role of Phenolic Compounds in the Resistance of
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T. M. Ivanova, 17 pp.

RUSSIAN, per. Blakhiymiya Plodov i Ovoshehei, No 6, 1961,
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PL 480
OTS 63-11084

Sci - Biol & Med Sci
Dec 63

244,159

Variability of Biochemical Characteristics of
Fruits and Berries, by E. V. Saponzhnikova,
S. M. Farkhina, 7 pp.

RUSSIAN, per, Biokhimiya Plodov i Ovoshech, No 6,
1961, pp 175-184. 5214587

PL-480
OTS 63-11084

Sci - Biol & Med. Sci.
Dec 63

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Some Biochemical Features of Indigenous and
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Georgian S.S.R., by G. A. Makashvili, 10 pp.

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No 6, 1961, pp 189-196. 9214987

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Sci - Biol & Med Sci
Dec 63

244, 161

Biochemical Composition of Walnut Kernels in the
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RUSSIAN, per, Biokhimiya i Plodov i Ovoshech, 10
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Sci - Biol & Med Sci
Dec 63

244, 162

Agrophysiological Aspects of Potassium Nutrition
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A. Ya. Hal'ter, 7 pp.

RUSSIAN, per, Izvestiya Plodov i Ovoshech, No 6, 1961
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OTS 63-22031

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Sci - Biol & Med Sci
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The Experimental Apparatus of Phytophthora Infection;
by B. A. RUBIN, V. A. Aksenov, 7 pp.

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PL-480
OTB 63-11081

Sci - Biol. & Med. Sci.
Dec 63

244, 164

Studies on the Biochemistry of the Immunity of
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RUSSIAN, per, Biokhimiya Plodov i Ovosichei, No 7,
1962, pp 60-64.
NRC C-111467
HTC 72-60818-02D

Jan 73

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Excerpts From Biochemistry of Blood Coagulation,
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RUSSIAN, bk, Biokhimiya Svertyvaniya Krovi, Kiev,
1957, pp 5-18, 74-83, 105-122.

US JPRS L-507-N

Sci - Medicine
Feb 59

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Egorov, I. A. and Borisova, N. B.
AROMATIC ALDEHYDES OF COGNAC SPIRITS.
1962, 16p.
Order from K-H \$20.00 K-H 9874-a

Trans. of Biokhimiya Vostochniya (USSR) 1959, v. 5,
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DESCRIPTORS: *Aldehydes, *Alcohols, *Beverages

- I. Title: Cognac
- I. Egorov, I. A.
- II. Borisova, N. B.
- III. K-H-9874-a
- IV. Kresge-Hooker Science
Library Associates,
Detroit, Mich.

(Food, TT, v. 7, no. 12)

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Okhremenko, N. S.
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 WILTING OF GRAPES (Puti Snizheniya Poter' Sakhara
 pri Uvyaliyani Vinograda) tr. by R. J. Zatorski. [1962]
 [25]p. (foreign text included) 2 refs. [CSIRO] Trans.
 no. 5675.

Order from GTS or SLA \$2.60 62-32238

Trans. of Biokhimiya Vnodeliya (USSR) 1960, v. 6,
 p. 223-234.

DESCRIPTORS: *Wines, Fruit, *Dehydration, Respira-
 tion, *Sugar, Preservation.

(Agriculture - Plant Cultivation, TT, v. 9, no. 6)

62-32238

- I. Title: Grapes
- I. Okhremenko, N. S.
- II. CSIRO Trans-5675
- III. Commonwealth Scientific
and Industrial Research
Organization (Australia)

Office of Technical Services

On Possible Connections of Fat Metabolism with the
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NZDSIR/Ref. 570

Sci -

July 1967

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Biochemical Changes During the Prolonged Storage
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Shvetsova, N. I. Sosedov.

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SCA 60-1958
CSIR LLU M.1641
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Sci - Biol

Oct 60

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Darjanbayev, I. B. and Kaptyushina, G. A.
BIOCHEMICAL INDEXES OF THE BREAD BAKING
QUALITIES OF THE NEW SORTS OF KAZAKHSTAN
WHEAT. (r. b. 7). Curiskis. [1961] 24p. 20 refs.
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Trans. of Biokhimiya Zerna (USSR) 1960, v. 5,
p. 47-64.

DESCRIPTORS: *Wheat. *Biochemistry. *Bread.
*Flour, USSR.

(Agriculture--Plant Cultivation, TT, v. 6, no. 2)

61-16092

I. Darkanbayev, I. B.
II. Kaptyushina, G. A.

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Study of the Biochemical Properties of
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of Dehydration by the Heated Air Method,
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RUSSIAN, for, Biokhimiya Zerna, 1960,
pp 141-161.
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Investigations on Lipoxidases in Grain Crops in
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RUSSIAN, per, Biokhimiya Zerna. Sbornik, No 5,
1960, pp 3 263-270.

RUSS/M. 5173 61/221

Sci-Biol

Oct 63

Determination of the Quality of Gluten
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NIL RTS 2903

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The Condition of Amylase in the Processes
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pp 144-150.
NLL KTS 2904

Sci-B&M

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Biochemistry of Grain and Breadmaking,
RUSSIAN, per, Biokhimiya Zerna i Khlebopecheniya,
Vol VI, 1960, 270 p.
CFSTI TT 65-50080

Sci-B&M
Jun 66

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The Change in the Biochemical and Techno-
logical Properties of Flour in the Communion
Process, by H. J. Kaminski,
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pecheniya, No 7, 1964, pp 117-138.

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Sci-Chem

Apr 67

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